

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS

ACCESSION NUMBER: 1995:648143 CAPLUS
 DOCUMENT NUMBER: 123:56394
 TITLE: Corticoid 17,21-dicarboxylates and 17-carboxylate-21-carbonates as topical inflammation inhibitors
 INVENTOR(S): Stache, Ulrich; Alpermann, Hans-Georg; Duerckheimer, Walter; Bohn, Manfred
 PATENT ASSIGNER(S): Hoechst A.-G., Germany
 SOURCE: Eur. Pat. Appl., 45 pp.
 CODEN: EPXXDW

	NUMBER	DATE
PATENT INFORMATION:	EP 646593 A1	950405
DESIGNATED STATES:	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE	
APPLICATION INFORMATION:	EP 94-115348	940929
PRIORITY APPLN. INFO.:	DE 93-4333920	931005
DOCUMENT TYPE:	Patent	
LANGUAGE:	German	
OTHER SOURCE(S):	MARPAT 123:56394	

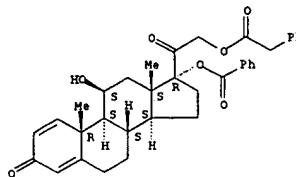
AB Title etters I [A = CHOH, CHCl, CH₂, CO; AY = bond; Y = H, F, Cl; Z = H, F, Me; R1 = (un)substituted alkyl, aryl, heteroaryl; R2 = alkyl, Ph, CH₂Ph; R3 = H, Me; n = 0, 1] were prepd. from the 17-monoesters. Thus, prednisolone 17-benzoate was treated with PhCH₂CO₂H and dicyclohexylcarbodiimide and pyridinium sulfate in pyridine to give the 21-phenylacetate (II). At 1.0 mg/mL, applied topically with croton oil, II gave 91% inhibition of the croton oil edema in rats.

IT 164343-59-3P 164344-01-8P
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (corticoid 17,21-dicarboxylates and 17-carboxylate-21-carbonates as topical inflammation inhibitors)

RN 164343-59-3 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 17-(benzoyloxy)-11-hydroxy-21-[(phenylacetyl)oxy]-, (11.β)- (9CI) (CA INDEX NAME)

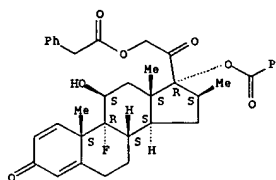
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164344-01-8 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 17-(benzoyloxy)-9-fluoro-11-hydroxy-16-methyl-21-[(phenylacetyl)oxy]-, (11.β)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

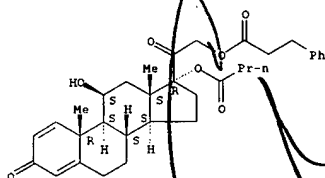


IT 164343-43-5P 164343-45-7P 164343-50-4P
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 164343-87-7P 164343-91-3P 164343-92-4P
 164343-93-5P 164343-95-7P 164343-99-1P
 164344-00-7P 164344-08-5P 164344-36-9P
 RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)

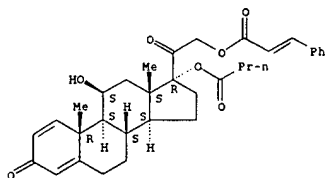
(corticoid 17,21-dicarboxylates and 17-carboxylate-21-carbonates as topical inflammation inhibitors)
 RN 164343-43-5 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-17-[(1-oxobutoxy)-21-[(1-oxo-3-phenylpropyl)oxy]-, (11.β)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 164343-45-7 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-17-[(1-oxobutoxy)-21-[(1-oxo-3-phenyl-2-propenyl)oxy]-, (11.β)- (9CI) (CA INDEX NAME)

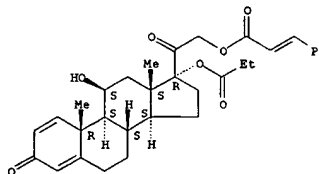
Absolute stereochemistry.
 Double bond geometry unknown.



RN 164343-50-4 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-21-[(1-oxo-3-phenyl-2-propenyl)oxy]-17-[(1-oxopropoxy)-, (11.β)- (9CI) (CA INDEX NAME)

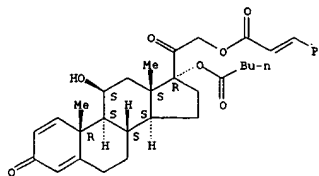
Absolute stereochemistry.
 Double bond geometry unknown.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-51-5 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-17-[(1-oxopentyl)oxy]-21-[(1-oxo-3-phenyl-2-propenyl)oxy]-, (11.β)- (9CI) (CA INDEX NAME)

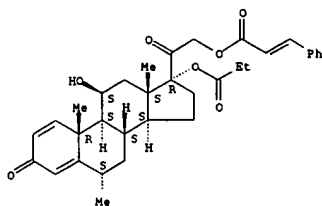
Absolute stereochemistry.
 Double bond geometry unknown.



RN 164343-54-8 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-6-methyl-21-[(1-oxo-3-phenyl-2-propenyl)oxy]-17-[(1-oxopropoxy)-, (6.α)- (9CI) (CA INDEX NAME)

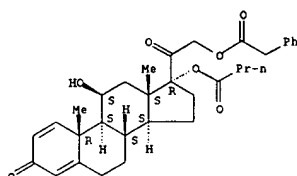
Absolute stereochemistry.
 Double bond geometry unknown.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-56-0 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-17-[(1-oxobutoxy)-21-[(phenylacetyl)oxy]-, (11.beta.)- (9CI) (CA INDEX NAME)

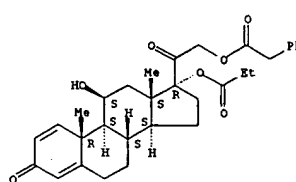
Absolute stereochemistry.



RN 164343-57-1 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-17-[(1-oxopropoxy)-21-[(phenylacetyl)oxy]-, (11.beta.)- (9CI) (CA INDEX NAME)

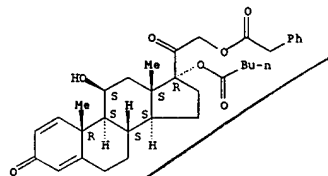
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-58-2 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-17-[(1-oxopentyl)oxy]-21-[(phenylacetyl)oxy]-, (11.beta.)- (9CI) (CA INDEX NAME)

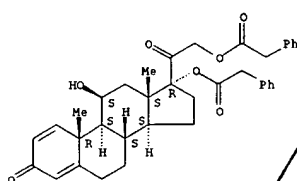
Absolute stereochemistry.



RN 164343-60-6 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-17,21-bis[(phenylacetyl)oxy]-, (11.beta.)- (9CI) (CA INDEX NAME)

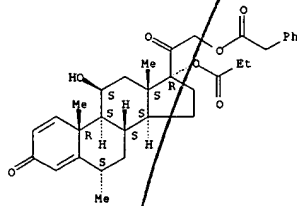
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-61-7 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-6-methyl-17-[(1-oxopropoxy)-21-[(phenylacetyl)oxy]-, (6.alpha.,11.beta.)- (9CI) (CA INDEX NAME)

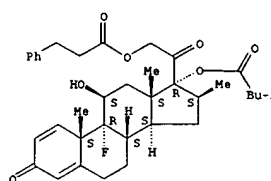
Absolute stereochemistry.



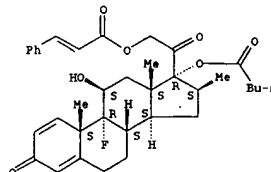
RN 164343-64-0 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11-hydroxy-16-methyl-17-[(1-oxopentyl)oxy]-21-[(1-oxo-3-phenylpropyl)oxy]-, (11.beta.,16.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



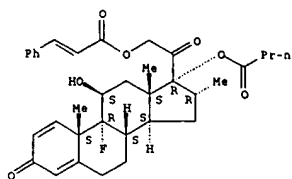
RN 164343-65-1 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11-hydroxy-16-methyl-17-[(1-oxopentyl)oxy]-21-[(1-oxo-3-phenyl-2-propenyl)oxy]-, (11.beta.,16.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

RN 164343-68-4 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11-hydroxy-16-methyl-17-[(1-oxobutoxy)-21-[(1-oxo-3-phenyl-2-propenyl)oxy]-, (11.beta.,16.alpha.)- (9CI) (CA INDEX NAME)

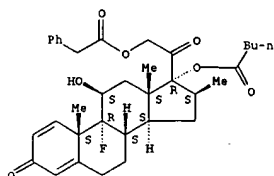
Absolute stereochemistry.
Double bond geometry unknown.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-70-8 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11-hydroxy-16-methyl-17-[(1-oxopentyl)oxyl]-21-[(phenylacetyl)oxyl]-, (11.beta.,16.beta.)- (9CI) (CA INDEX NAME)

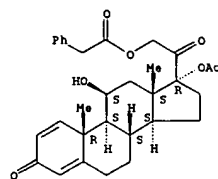
Absolute stereochemistry.



RN 164343-74-2 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 17-(acetyloxy)-11-hydroxy-21-[(phenylacetyl)oxyl]-, (11.beta.)- (9CI) (CA INDEX NAME)

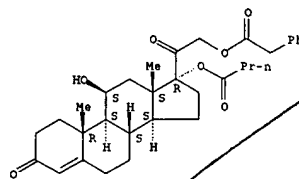
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-75-3 CAPLUS
 CN Pregna-4-ene-3,20-dione, 11-hydroxy-17-(1-oxobutoxy)-21-[(phenylacetyl)oxyl]-, (11.beta.)- (9CI) (CA INDEX NAME)

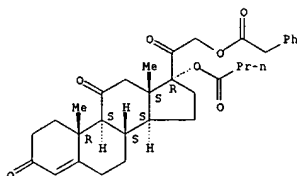
Absolute stereochemistry.



RN 164343-76-4 CAPLUS
 CN Pregna-4-ene-3,11,20-trione, 17-(1-oxobutoxy)-21-[(phenylacetyl)oxyl]- (9CI) (CA INDEX NAME)

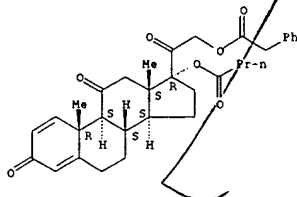
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-77-5 CAPLUS
 CN Pregna-1,4-diene-3,11,20-trione, 17-(1-oxobutoxy)-21-[(phenylacetyl)oxyl]- (9CI) (CA INDEX NAME)

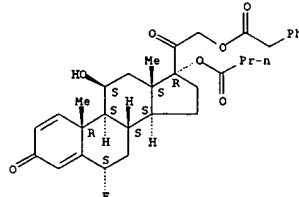
Absolute stereochemistry.



RN 164343-78-6 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 6-fluoro-11-hydroxy-17-(1-oxobutoxy)-21-[(phenylacetyl)oxyl]-, (6.alpha.,11.beta.)- (9CI) (CA INDEX NAME)

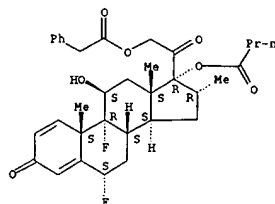
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-79-7 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 6,9-difluoro-11-hydroxy-16-methyl-17-(1-oxobutoxy)-21-[(phenylacetyl)oxyl]-, (6.alpha.,11.beta.,16.alpha.)- (9CI) (CA INDEX NAME)

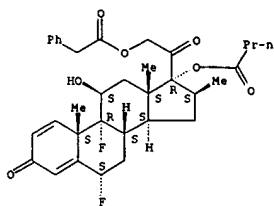
Absolute stereochemistry.



RN 164343-80-0 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 6,9-difluoro-11-hydroxy-16-methyl-17-(1-oxobutoxy)-21-[(phenylacetyl)oxyl]-, (6.alpha.,11.beta.,16.beta.)- (9CI) (CA INDEX NAME)

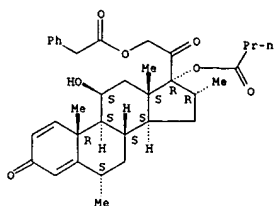
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-81-1 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-6,16-dimethyl-17-[(1-oxobutoxy)-21-[(phenylacetyl)oxy]-, (6.alpha.,11.beta.,16.alpha.)- (9CI) (CA INDEX NAME)

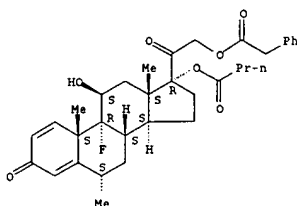
Absolute stereochemistry.



RN 164343-82-2 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11-hydroxy-6-methyl-17-[(1-oxobutoxy)-21-[(phenylacetyl)oxy]-, (6.alpha.,11.beta.,16.alpha.)- (9CI) (CA INDEX NAME)

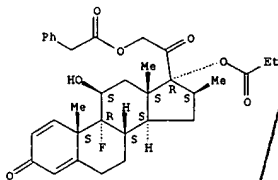
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-85-5 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11-hydroxy-16-methyl-17-[(1-oxopropoxy)-21-[(phenylacetyl)oxy]-, (11.beta.,16.beta.)- (9CI) (CA INDEX NAME)

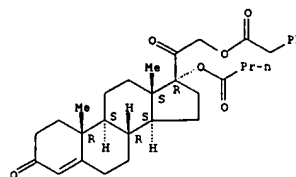
Absolute stereochemistry.



RN 164343-86-6 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11-hydroxy-16-methyl-17-[(1-oxobutoxy)-21-[(phenylacetyl)oxy]-, (11.beta.,16.alpha.)- (9CI) (CA INDEX NAME)

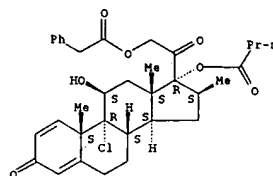
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-83-3 CAPLUS
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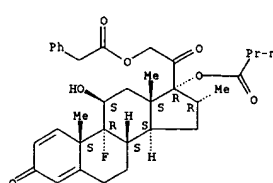
Absolute stereochemistry.



RN 164343-84-4 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11-hydroxy-6-methyl-17-[(1-oxobutoxy)-21-[(phenylacetyl)oxy]-, (6.alpha.,11.beta.,16.alpha.)- (9CI) (CA INDEX NAME)

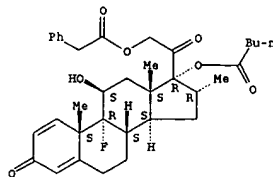
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-87-7 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11-hydroxy-16-methyl-17-[(1-oxopentyl)oxy]-21-[(phenylacetyl)oxy]-, (11.beta.,16.alpha.)- (9CI) (CA INDEX NAME)

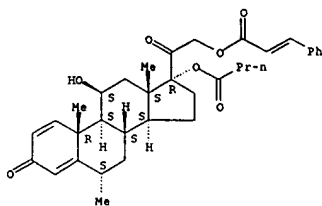
Absolute stereochemistry.



RN 164343-91-3 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-6-methyl-17-[(1-oxobutoxy)-21-[(1-oxo-3-phenyl-2-propenyl)oxy]-, (6.alpha.,11.beta.)- (9CI) (CA INDEX NAME)

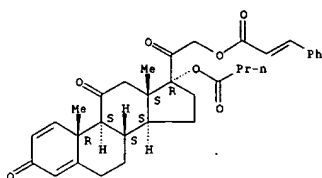
Absolute stereochemistry.
Double bond geometry unknown.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-92-4 CAPLUS
 CN Pregna-1,4-diene-3,11,20-trione, 17-[(1-oxobutoxy)-21-[(1-oxo-3-phenyl-2-propenyl)oxy]]-, (9CI) (CA INDEX NAME)

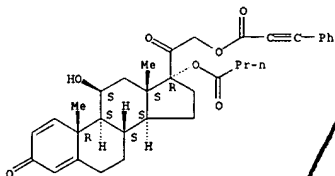
Absolute stereochemistry.
 Double bond geometry unknown.



RN 164343-93-5 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 17-(benzoyloxy)-11-hydroxy-21-[(1-oxo-3-phenyl-2-propenyl)oxy]]-, (11.beta.)- (9CI) (CA INDEX NAME)

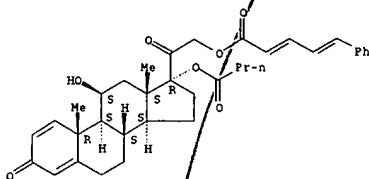
Absolute stereochemistry.
 Double bond geometry unknown.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164344-00-7 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-17-[(1-oxobutoxy)-21-[(1-oxo-5-phenyl-2,4-pentadienyl)oxy]]-, (11.beta.)- (9CI) (CA INDEX NAME)

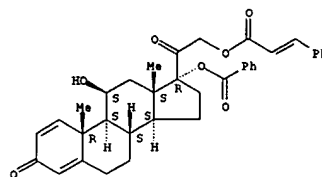
Absolute stereochemistry.
 Double bond geometry unknown.



RN 164344-08-5 CAPLUS
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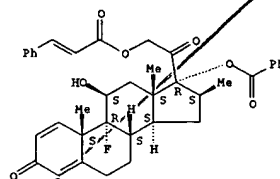
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164343-95-7 CAPLUS
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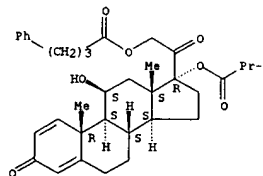
Absolute stereochemistry.
 Double bond geometry unknown.



RN 164343-99-1 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 11-hydroxy-17-[(1-oxobutoxy)-21-[(1-oxo-3-phenyl-2-propynyl)oxy]]-, (11.beta.)- (9CI) (CA INDEX NAME)

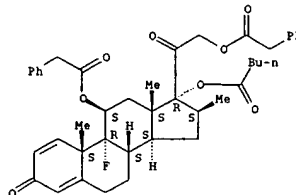
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 1998 ACS (Continued)



RN 164344-36-9 CAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-16-methyl-17-[(1-oxopentyl)oxy]-11,21-bis[(phenylacetyl)oxy]]-, (11.beta.,16.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 1998 ACS

ACCESSION NUMBER: 1978:510122 CAPLUS

DOCUMENT NUMBER: 89:110122

TITLE: Corticoids

INVENTOR(S): Annen, Klaus; Laurent, Henry; Wiechert, Rudolf;
Hofmeister, Helmut; Kapp, Joachim Friedrich;
Wendt, Hans

PATENT ASSIGNEE(S): Schering A.-G., Ger.

SOURCE: Ger. Offen., 34 pp.

CODEN: GWXEX

	NUMBER	DATE
PATENT INFORMATION:	DE 2645104	780406
APPLICATION INFORMATION:	DE 76-2645104	761004
DOCUMENT TYPE:	Patent	
LANGUAGE:	German	

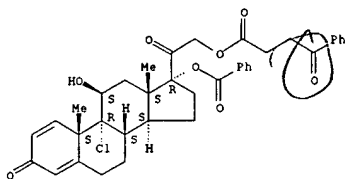
AB Pregnatrienones I (R = H, R1 = OH, F; RR1 = O; R2 = F, Cl, OH, Cl-10 acyloxy; R3 = Cl-10 acyloxy) were prepd. Thus 9.alpha.-chloroprednisolone was ketalized and treated with HOAc-NaOAc to give 17.alpha.-acetoxy-9.alpha.-chloro-11.beta.,21-dihydroxy-1,4-pregnadiene-3,20-dione, which was converted to its 21-mesylate. Chlorination-dehydrochlorination of the mesylate gave I (R = H, R1 = OH, R2 = Cl, R3 = OAc), which had an antiinflammatory ED50 in the Mycobacterium butyricum edema test 3.6 mg/kg orally in rats.

IT 66853-40-5p
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and dehydrochlorination of)

RN 66853-40-5 CAPLUS

CN Pregna-1,4-diene-3,20-dione, 17-(benzoyloxy)-9-chloro-21-(1,4-dioxo-4-phenylbutoxy)-11-hydroxy-, (11.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> d ibib ab hitstr 1-2

L6 ANSWER 1 OF 2 USPATFULL
 ACCESSION NUMBER: 81:971 USPATFULL
 TITLE: Novel corticoids
 INVENTOR(S): Annen, Klaus, Berlin, Germany, Federal Republic of
 Laurent, Henry, Berlin, Germany, Federal Republic of
 Hofmeister, Helmut, Berlin, Germany, Federal Republic of
 Wiechert, Rudolf, Berlin, Germany, Federal Republic of
 Wandt, Hans, Berlin, Germany, Federal Republic of
 Kapp, Joachim F., Berlin, Germany, Federal Republic of
 PATENT ASSIGNEE(S): Schering Aktiengesellschaft, Berlin and
 Bergkamen, Germany, Federal Republic of (non-U.S. corporation)

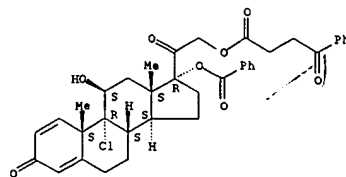
	NUMBER	DATE
PATENT INFORMATION:	US 4243664	810106
APPLICATION INFO.:	US 79-20154	790313 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 77-839486, filed on 4 Oct 1977, now patented, Pat. No. US 4176126	

	NUMBER	DATE
PRIORITY INFORMATION:	DE 76-2645104	761004
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Roberts, Elbert L.	
LEGAL REPRESENTATIVE:	Millen & White	
NUMBER OF CLAIMS:	5	
EXEMPLARY CLAIM:	1,5	
LINE COUNT:	791	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Novel corticoids of formula I ##STR1## wherein X is .beta.-hydroxymethylene, .beta.-fluoromethylene or carbonyl; Y is fluorine, chlorine, hydroxy, or acyloxy of 1-10 carbon atoms; and R.sub.1 is acyloxy of 1-10 carbon atoms, possess strong anti-inflammatory activity when administered topically and display only minor systemic side effects.
 IT 66853-40-5P
 (prepn. and dehydrochlorination of)
 RN 66853-40-5 USPATFULL
 CN Pregna-1,4-diene-3,20-dione, 17-(benzoyloxy)-9-chloro-21-(1,4-dioxo-4-phenylbutoxy)-11-hydroxy-, (11.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L6 ANSWER 1 OF 2 USPATFULL (Continued)



L6 ANSWER 2 OF 2 USPATFULL
 ACCESSION NUMBER: 79:47483 USPATFULL
 TITLE: Novel corticoids
 INVENTOR(S): Annen, Klaus, Berlin, Germany, Federal Republic of
 Laurent, Henry, Berlin, Germany, Federal Republic of
 Hofmeister, Helmut, Berlin, Germany, Federal Republic of
 Wiechert, Rudolf, Berlin, Germany, Federal Republic of
 Wandt, Hans, Berlin, Germany, Federal Republic of
 Kapp, Joachim-Friedrich, Berlin, Germany, Federal Republic of
 PATENT ASSIGNEE(S): Schering Aktiengesellschaft, Berlin and
 Bergkamen, Germany, Federal Republic of (non-U.S. corporation)

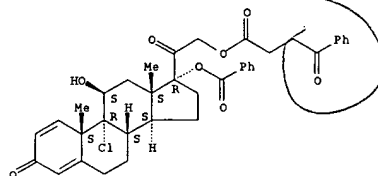
	NUMBER	DATE
PATENT INFORMATION:	US 4176126	791127
APPLICATION INFO.:	US 77-839486	771004 (5)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 76-2645104	761004
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Roberts, Elbert L.	
LEGAL REPRESENTATIVE:	Millen & White	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
LINE COUNT:	809	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Novel corticoids of formula I ##STR1## wherein X is .beta.-hydroxymethylene, .beta.-fluoromethylene or carbonyl; Y is fluorine, chlorine, hydroxy, or acyloxy of 1-10 carbon atoms; and R.sub.1 is acyloxy of 1-10 carbon atoms, possess strong anti-inflammatory activity when administered topically and display only minor systemic side effects.
 IT 66853-40-5P
 (prepn. and dehydrochlorination of)
 RN 66853-40-5 USPATFULL
 CN Pregna-1,4-diene-3,20-dione, 17-(benzoyloxy)-9-chloro-21-(1,4-dioxo-4-phenylbutoxy)-11-hydroxy-, (11.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L6 ANSWER 2 OF 2 USPATFULL (Continued)



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(FILE 'HOME' ENTERED AT 11:02:57 ON 12 JUN 1998)

FILE 'REGISTRY' ENTERED AT 11:04:52 ON 12 JUN 1998

L1 STRUCTURE UPLOADED

L2 4 S L1

L3 39 S L1 FULL

FILE 'CAPLUS' ENTERED AT 11:05:46 ON 12 JUN 1998

L4 2 S L3

FILE 'BEILSTEIN' ENTERED AT 11:07:01 ON 12 JUN 1998

L5 1 S L1 FULL

FILE 'USPATFULL' ENTERED AT 11:07:51 ON 12 JUN 1998

L6 2 S L3